

[illegible]

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*AG*  
a converter for converting the baseband digital data to RF, and providing it to the RF power amplifier.

*Concl.*

16. The RF power amplifier system of claim 15 wherein the buffers are FIFO  
5 buffers of equal size.

17. The RF power amplifier system of claim 15 wherein the digital representation of the power is compared to a threshold power.

10 18. The RF power amplifier system of claim 17 wherein the bias signal turns the RF power amplifier on when the digital represent of the power is greater than the threshold.

15 19. The RF power amplifier system of claim 17 wherein the bias signal turns the RF power amplifier off when M consecutive power samples are all less than a threshold power.

*AG*  
20. A method of controlling a RF power amplifier system, the method comprising:  
buffering baseband digital data;  
20 buffering a digital representation of the power of the baseband digital data;  
providing a bias signal to an RF power amplifier as a function of the digital representation of the power of the baseband digital data; and  
converting the baseband digital data to RF, and providing it to the RF power  
amplifier.

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*add AG*

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